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	Anholt, R.H. (1991) Odor recognition and olfactory transduction: the new frontier. Chemical Senses 16(5):421-427. Buck, L. and Axel, R. (1991) A novel multigene family may encode odorant receptors: a molecular basis for odor recognition. Cell 65: 175-187. Dancigier, E. et al. (1989) Olfactory marker protein gene: its structure and olfactory neuron-specific expression in transgenic mice. Proc. Nat. Acad. Sci. 86:8565-8569. Dhallan, R.S., Yau, KW., Schrader, K.A., and Reed, R.R. (1990) Primary structure and functional expression of a cyclic nucleotide-activated channel from olfactory neurons. Nature 347: 184-187. Fesenko, E.E. et al. (1985) Molecular mechanisms of olfactory reception. VI. Kinetic characteristics of camphor interaction with binding sites of rat olfactory epithelium. Biochimica Biophysica Acta 839(3): 268-275.										
-		Firestein, S. (1991) A noseful of odor receptors. Trends in Neuroscience (14)7: 270-272.									
2		Flanagan, J.G., Lefranc, MP., and Rabbitts, T.H. (1984) Mechanisms of divergence and convergence of the human immunoglobulin α1 and α2 constant region gene sequences. Cell 36: 681-688.									
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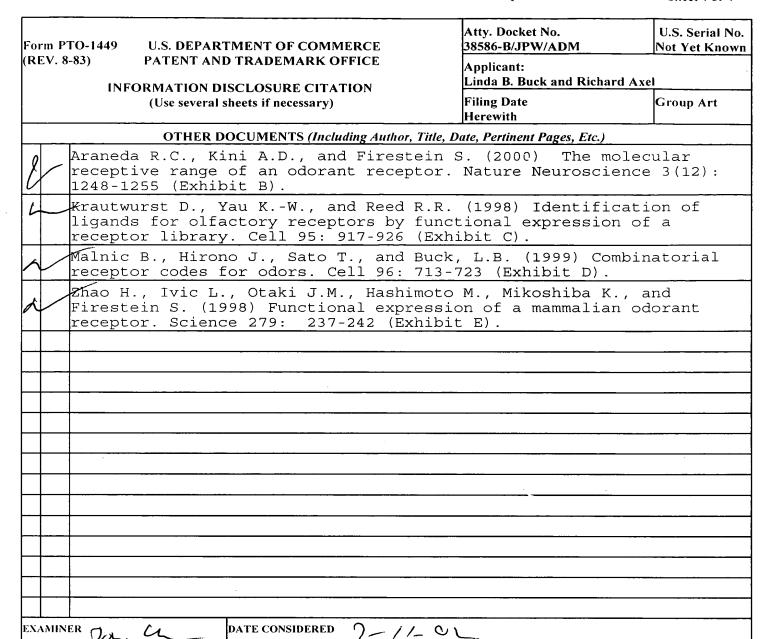
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Atty. Docket No. U.S. Serial No. 38586-В/JPW/ADM Form PTO-1449 Not Yet Known U.S. DEPARTMENT OF COMMERCE (REV. 8-83) PATENT AND TRADEMARK OFFICE Applicant: Linda B. Buck and Richard Axel INFORMATION DISCLOSURE CITATION Filing Date Group Art (Use several sheets if necessary) Herewith OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Graziadei, P.P.C. and Graziadei M. G.A. (1979) Neurogenesis and reuron regeneration in the olfactory system of mammals. I. Morphological aspects of differentiation and structural organization of the olfactory sensory neurons. Journal of Neurocytology 8(1): 1-18. Hamm, H.E., Deretic, D., Arendt, A., Hargrove, P.A., Koenig, B., and Hofmann, K.P. (1988) Site of G protein binding to rhodopsin mapping with synthetic peptides to the lpha subunit. Science 241: 832-835. Hood, L. et al. (1985) T cell antigen receptors and the immunoglobulin supergene family. Cell 40: 225-229. Jones, D.T. and Reed, R.R. (1989) $G_{
m olf}$: an olfactory neuron specific-G-protein involved in odorant signal transduction. Science 244: 790-795. Julius, D. et al. (1988) Molecular characterization of a functional cDNA encoding a seritonin 1c receptor. Science 241: 558-564. Kashiwayanagi, M. et al. (1989) High sensitivity odor sensor using artificial membrane. Kagaky Kogyo, Vol. 40, No. 11. Lancet, D. (1986) Vertebrate olfactory reception. Neurosci. 9: 329-355. Levy, N.S. et al. (1991) Signal transduction in olfactory neurons. J. Steroid Biochem. Mol. Biol. 39: 633-637. Maeda, N. and Smithies, O. (1986) The evolution of multigene families: Human haptoglobin genes. Ann. Rev. Genet. 20: 81-108. Masu Y. et al. (1987) cDNA cloning of bovine substance-K receptor through oocyte expression system. Nature 329: 836-838. Moulton, D.G. and Beidler, L.M. (1967) Structure and Function in the peripheral olfactory system. Physiol. Rev. 47: 1-52. Nakamura, T. and Gold, G. (1987) A cyclic nucleotide-gated conductance in olfactory receptor cilia. Nature 325: 442-444. Nathans, J. et al. (1986) Molecular Genetics of Human color vision: The genes encoding blue, green and red pigments; Science (1986 Apr 11) 232(4747): 193-202. Novoselov, V.I. et al. (1987) The properties of receptor molecules from rat olfactory epithelium. Sensory Systems 1(1): 1-7. O'Dowd, B.F., Felkowitz, R.J., and Caron, M.G. (1989) Structure of the adrenergic and related receptors. Ann. Rev. Neurosci. 12: 67-83. Pace, U. et al. (1985) Odorant-sensitive adenylate cyclase may mediate olfactory reception. Nature 316: 255-258. DATE CONSIDERED EXAMINER 7-11-02

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2	_	Parmentier, M. et al. (1992) Expression olfactory receptor gene family in mammal 453-455.	of members of the						
C		Pevsner, J. et al. (1985) Isolation and olfactory receptor protein for odorant p Sci. USA 82: 3050-3054.							
1		Reed, R.R. (1990) How Does the nose Kno	ow? Minireview. Cel	1 60: 1-2.					
2		Rhein, L.D. and R.H. Cagan (1983) Biochemical studies of olfaction: Binding specificity of odorant to a cilia preparation from rainbow trout olfactory rosettes. J. Neurochem. 41: 569-577.							
2	_	Selbie L.A. et al. (1992) Novel G protei family of putative human olfactory recep Research: Molecular Brain Research 13(1-	tor sequences. Brai						
4		Sicard, G. (1985) Olfactory discrimination of structurally related molecules: receptor cell responses to camphoraceous odorant. Brain Res. 326: 203-212.							
2		Sklar, P.B. et al. (1986) The odorant-sensitive adenylate cyclase of olfactory receptor cells: Differential stimulation by distinct classes of odorant. J. Biol. Chem. 261: 15538-15543.							
a-		Stewart, W.B. et al. (1979) Functional organization of the rat olfactory bulb analyzed by the 2-deoxyglucose method. J. Comp. Neurol. 185: 715-734.							
2		Strader, C.D. et al. (1989) Structural b function. FASEB J. 3: 1825-1832.	pasis of β-adrenergi	c receptor					
4		Thommesen, G. and Doving, K.B. (1977) Sp in the rat. A variation with odour stimu 99: 270-280.	patial Distribution Llation. Acta Physio	of the EOG					
4		Tonegawa, S. (1983) Somatic generation o 302: 575-581.	of antibody diversit	y. Nature					
a		Touhara, K. et al. (1991). A novel mult odorant receptors: a molecular basis for Chemtracts: Organic Chemistry, Vol. 4, N	odor recognition. Io. 4. pp. 325-328.						
7		Yoshii K. et al. (1989) Inward rectifier injected with mRNA extracted from Carp of 3: 234-238.							
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